

Emerald CNC

ENVIRONMENTALLY SAFE, WATER BASED METALWORKING FLUID

Emerald CNC is a proprietary formulation that is designed to replace chlorinated paraffin without environmental risk. This will also reduce potentially hazardous waste, and potential paint problems.

FEATURES & BENEFITS

Unique characteristics of Emerald CNC make this a superior cutting fluid for most industrial applications. These characteristics include:

- Water Based: Safe & easy machine clean up
 - No chlorinated paraffin or sulfur
 - Safer for your employees
 - Cleaner working environment
 - Eliminates oil mist
- Multi-Metal Protection: Unique protection for galvanized and other metals
- Superior Lubricity: Extends tool life for added cost savings
- Rust Inhibition: Superior performance in ASTM D1748 humidity cabinet
- Unique Formula: Superior cooling chemistry
 - Improves tooling life
 - Lengthens the life of your coolant
- Superior Wettability: Better coating of the work surface
- Tramp Oil Rejection: Allows for easy removal by skimming
- Low Carry Off: Cleaner parts and less coolant depleted
- Very Low Foaming: eliminates excessive maintenance
- Exceptional Anti-Microbial Properties: Stays cleaner and lasts longer; avoids dermatitis and other health issues

ENVIRONMENTALLY SAFER

Emerald CNC is a water-based, environmentally-friendly and worker-friendly metalworking fluid. (See: Safety Data Sheet)

ECONOMICAL

Emerald CNC is competitively priced, and contains no unnecessary thickeners.

| RECOMMENDED USAGE GUIDELINES | | |
|------------------------------|----------------------------------|----------------------------------|
| Application | Minimum Ratio WATER / COOLANT | Maximum Ratio WATER / COOLANT |
| Drilling | 8:1 | 6:1 |
| Grinding | 10:1 | 8:1 |
| Milling | 8:1 | 6:1 |
| Tapping | 8:1 | 6:1 |

TECHNICAL INFORMATION

- Color – Clear Light Green
- PH - 8.4 – 9.6
- Odor – Mild
- Boron Free
- Nitrate Free
- Oil Free

VARIABLES THAT INFLUENCE RATIO

1. Type of metal, grade and gauge
2. Type of Tooling
3. System cleanliness
4. Coolant application system
5. Work temperature range

COOLANT MANAGEMENT

1. Clean system prior initial coolant charge (Cleaning procedure available)
 - Drain, disinfect and clean with alkaline cleaner
 - Add coolant per recommended ratio
2. Water quality will impact results
 - Hard water may cause rust issues
 - Assistance available at Biosolutions llc.
2. Maintain system cleanliness
 - Excessive dirt and oil will impact tooling
 - Monitoring pH will reduce dermatitis concerns
 - Coolant management services available

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Sustainable, Versatile, Economical

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Call us to put Emerald CNC to work on your equipment.